

### AMENDMENTS TO THE CLAIMS

Please amend claim 1, cancel claims 2 and 5-20 without prejudice or disclaimer, and add claim 21. The below listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A genetic screening method that is useful or predictive for a predisposition to Alzheimer's disease or diagnostic of Alzheimer's disease in a human subject suspected of being at risk for or having Alzheimer's disease, the method comprising analysing a DNA bearing sample taken from said subject to determine the allelic variants present at one or more of the SNP loci at positions -1082 of the gene encoding IL-10, wherein a polymorphism selected from the group consisting of a G to A substitution at position -1082 is determined and the substitution is useful or predictive for statistically significant for predicting a predisposition to Alzheimer's disease or diagnostic of diagnosing the presence of Alzheimer's disease.
2. (Canceled)
3. (Previously presented) A method according to claim 1 which further comprises analysing the sample to determine the presence of a -174C allele for the gene encoding IL-6 and Apo-E 4 carrier status.
4. (Previously presented) A method according to claim 3, which further comprises analysing the sample to determine the presence of the -1082A allele for the gene encoding IL-1.
- 5-20. (Canceled)
21. (Currently amended) A genetic screening method that is predictive or diagnostic of Alzheimer's disease in a human subject suspected of being at risk of or having Alzheimer's disease, the method comprising analysing a DNA sample from said subject

to determine the allelic variants present at SNP loci position -1082 of the gene encoding IL-10, the presence of a -174C allele for the gene encoding IL-6, and Apo-E 4 carrier status, wherein the presence of a polymorphism selected from the group consisting of a G to A substitution at position -1082, the presence of a -174C allele for the gene encoding IL-6, and the presence of a Apo-E 4 allele in the DNA sample is predictive or diagnostic of statistically significant for predicting or diagnoses Alzheimer's disease in the subject.